

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A disc Dise brake comprising
a brake disc;
having two brake shoes (12, 14), which for generating a clamping force (A, A')
are pressable against both opposite sides of a the brake disc (16);
an actuator device (26) for actuating at least one of the brake shoes (12, 14);
and
a detection device (38) for detecting the coming-into-abutment of at least one of
the brake shoes (12, 14) against the brake disc (16), which wherein the detection
device, during the coming-into-abutment, adopts a characteristic state,
characterized in
that the detection device (38) comprises and includes an elastic element (44,
76), the elastic properties of which oppose the adoption of the characteristic
state.
2. (Currently Amended) The disc Dise brake according to claim 1,
characterized in that wherein the detection device (38) adopts the characteristic
state when a force threshold determined by the elastic properties of the elastic
element (44, 76) is reached.
3. (Currently Amended) The disc Dise brake according to claim 2,
characterized in that wherein the force threshold lies below approximately
4. (Currently Amended) The disc Dise brake according to claim 1 ~~2 or 3~~,
characterized in that wherein the elastic element (44, 76) is disposed
functionally between at least one of the brake shoes (12, 14) and the actuator
device (26).

5. (Currently Amended) The disc ~~Disc~~ brake according to ~~one of claims 1 to 4~~ ~~claim 1~~,
~~characterized in that~~ wherein at least one of the brake shoes (12, 14) is accommodated in a cage (40), which is rigidly coupled to the actuator ~~unit~~ device (26), so as to be displaceable to a limited extent relative to the actuator device (26).
6. (Currently Amended) The disc ~~Disc~~ brake according to ~~one of claims 1 to 5~~ ~~claim 1~~,
~~characterized in that~~ wherein the detection device is designed as a switching device (38).
7. (Currently Amended) The disc ~~Disc~~ brake according to claim 6,
~~characterized in that~~ wherein the switching device (38) comprises at least one contact pair having a first contact (46, 46') and a second contact (48, 48'), which upon the coming-into-abutment of at least one of the brake shoes (12, 14) against the brake discs (16) adopt a characteristic switching state relative to one another.
8. (Currently Amended) The disc ~~Disc~~ brake according to claim 7,
~~characterized in that~~ wherein the elastic element (44, 76) is disposed functionally between the first contact (46, 46') and the second contact (48, 48').
9. (Currently Amended) The disc ~~Disc~~ brake according to claim 7 ~~or 8~~,
~~characterized in that~~ wherein the first contact (46, 46') is coupled to the actuator ~~unit~~ device (26) and the second contact (48, 48') is coupled to at least one of the brake shoes (12, 14).

10. (Currently Amended) Method A method of effecting open- or closed-loop control of a brake system, which includes a disc brake having two brake shoes (12, 14), which for generating a clamping force (A, A') are pressable against both sides of a brake disc (16), and an actuator device (26) for actuating at least one of the brake shoes (12, 14), comprising the step of generating, as a reaction to a coming-into-abutment of at least one of the brake shoes (12, 14) against the brake disc (16), a characteristic state of a detection device (38) that is electrically evaluable for open- or closed-loop control purposes,
characterized in
that wherein the detection device (38) comprises an elastic element (44, 76), the elastic properties of which oppose the adoption of the characteristic state.
11. (Currently Amended) Method The method according to claim 10,
characterized in that after detection of the characteristic state further comprising
the step of commencing closed-loop control of the clamping force begins after
detection of the characteristic state.
12. (Currently Amended) Method according to Claim 11,
characterized in that wherein the closed-loop control of the clamping force is based on the evaluation of at least one of the following parameters: a rotor angle of rotation, a motor power consumption and a spindle angle of rotation.
13. (New) A method of effecting control of a brake system, which includes a disc brake having two brake shoes, which for generating a clamping force are pressable against both sides of a brake disc, and an actuator device for actuating at least one of the brake shoes, comprising the step of generating, as a reaction to a coming-into-abutment of at least one of the brake shoes against the brake disc, a characteristic state of a detection device that is electrically evaluable for control purposes, wherein the characteristic state is assumed when predefined force threshold is reached.

14. (New) The method according to claim 13,
wherein the force threshold lies below approximately 100 N.

15. (New) A disc brake comprising:
a brake disc;
two brake shoes arranged on opposite sides of a brake disc for generating a
clamping force;
an actuator device for actuating at least one of the brake shoes; and;
a detection device for detecting the coming-into-abutment of at least one of the
brake shoes against the brake disc, wherein the detection device adopts a
characteristic state when a pre-defined clamping force threshold is reached.

15. (New) The disc brake according to Claim 15,
wherein the force threshold lies below 100 N.